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August 26, 1997

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Mr. William F. Caton
Acting Secretary
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

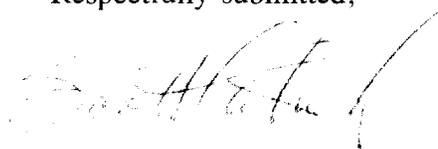
Re: In the Matter of Advanced Television Systems and Their Impact upon
the Existing Television Broadcast Service
MM Docket No. 87-268

Dear Mr. Caton:

On August 22, 1997, Paxson Communications Corporation ("PCC") filed a Supplement to its Petition for Reconsideration in the above-referenced matter. The supplement's technical exhibit was a facsimile and did not have an original signature. We are providing an original and 11 copies of the unmodified technical exhibit which was submitted on August 22. This exhibit should be associated with PCC's previous filing.

Please contact the undersigned counsel if any questions should arise concerning this letter.

Respectfully submitted,



Scott S. Patrick

Enclosure

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**EXHIBIT E
ENGINEERING STATEMENT
SUPPLYING SUPPLEMENTAL INFORMATION
IN SUPPORT OF A PETITION FOR RECONSIDERATION
OF THE SIXTH REPORT AND ORDER IN DOCKET 87-268
BY PAXSON COMMUNICATIONS CORPORATION**

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Prepared by
Lohnes and Culver Washington, D.C.
August, 1997

**EXHIBIT E
ENGINEERING STATEMENT
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IN SUPPORT OF A PETITION FOR RECONSIDERATION
OF THE SIXTH REPORT AND ORDER IN DOCKET 87-268
BY PAXSON COMMUNICATIONS CORPORATION**

INTRODUCTION

This statement was prepared on behalf of Paxson Communications Corporation, through its licensee subsidiaries ("PCC") relative to the above referenced FCC Docket and in support of its June 13, 1997 Petition for Reconsideration in the matter. PCC is the FCC licensee of station KTFH-TV Channel 49 at Conroe, Texas. This statement provides information regarding the anticipated propagation and future operation of KTFH on the FCC DTV allocated Channel 5 and suggested reallocation channels.

KTFH-TV PROPOSED REALLOCATION

KTFH-TV has been assigned television Channel 5 for use as a DTV channel. In the previous June 13 petition, PCC stated its concerns regarding the potential poor performance of Channel 5 with limited ERP and its position outside of the core of DTV channels. At that time FCC OET Bulletin No. 69 was not yet available, making a substitute channel allotment suggestion impossible.

Because technical information relating to PCC's petition is now available in OET Bulletin No. 69, adopted July 2, 1997 by Commission Order (DA No. 97-1377), this statement supplies supplemental information pertaining to PCC's request for reconsideration of the DTV allotments for KTFH-TV. Specifically, it supports a reallocation to DTV operation on Channel 25 or 16.

TECHNICAL ANALYSIS

The software program needed to verify the PCC proposal to change the DTV channel assignments of KTFH-TV is now available through the release of OET Bulletin No. 69. The office of the undersigned has the complete software package as described in OET Bulletin No. 69 available for use on a computer work station similar to the computers used by OET in the development of the DTV allotment plan. The results of individual market analysis have been compared with service replication and interference evaluations contained in Table 1 of Appendix B of the Sixth Report and Order with total agreement and verification of the accuracy of the program.

Analysis for KTFH-TV

On behalf of PCC, the Office of Lohnes and Culver has conducted an analysis using the software developed by OET to demonstrate that, as an alternative to the FCC DTV Channel 5 allotment, DTV Channel 25 or 16 can be paired with NTSC Channel 49 at Conroe, TX. Attached to this statement as Figure 1 is a computer printout showing an analysis of the allotment of DTV Channel 5 proposed by the Commission in the Sixth Report, as compared with an analysis of the alternative DTV channel allotments proposed by PCC. The analysis indicates that the percent match for replication of the licensed NTSC Channel 49 operation of KTFH-TV for the proposed allotment of DTV Channel 5 is identical with either of the alternative DTV Channel allotments.

A study of other NTSC operations and proposed DTV allotments was conducted to determine the impact on those operations/allotments as a result of the proposed change in the Conroe, TX allotment. The result of that analysis is tabulated on Figure 2. The analysis indicates that the proposed DTV Channel 25 or 16 allotment will have no effect on the percent match for ATV/NTSC replication with respect to all affected DTV allotments and will not cause additional interference to NTSC operations. The predicted interference to the NTSC operation on Channel 5 at San Antonio, TX will be reduced by the proposed KTFH-TV change away from DTV Channel 5 at Conroe, TX.

CONCLUSION

The analysis for KTFH-TV described above, based on the use of the Commission's computer software, demonstrates that there are no DTV allotments or NTSC operations that would be adversely affected by changing the DTV channel allotment for KTFH-TV to DTV Channel 25 or 16. PCC's proposal to pair an alternative DTV Channel with KTFH-TV is justifiable since the FCC allotment on DTV Channel 5 is not within the tentative DTV core of channels specified in the Sixth Report and Order. PCC requests that Channel 25 be considered its primary reallocation channel to minimize the conflict with land mobile communication in the lower UHF channels. PCC further requests that the Commission reconsider its treatment of the paired DTV allotment for KTFH-TV by evaluating service replication based on a non-directional antenna pattern since that will maximize service area and the impact on other U.S. DTV allotments and NTSC operations may be minimal.

Respectfully submitted,
LOHNES AND CULVER


By, Robert D. Culver, P.E.
Maryland Reg.No. 19672

August, 1997

FIGURE 1A
COMPARISON OF DTV PAIRINGS
KTFH-TV WITH FCC DTV CH. 5
KTFH-TV WITH SUBSTITUTE DTV CH. 16

SIXTH REPORT AND ORDER

num atv: 3342
 num ntsc: 3342
 cell: 4.0186
 Analysis of: 49N TX CONROE

	POPULATION	AREA (sq km)
within Noise Limited Contour	3335657	15463.5
not affected by terrain losses	3335657	15463.5
lost to NTSC IX	1069348	2033.4
lost to additional IX by ATV	59	12.1
lost to all IX	1069407	2045.5

Analysis of: 5A TX CONROE

HAAT 359.0 m, ATV ERP 1.0 kW, direction 190.0 degrees T, F/B = 13.9 dB

	POPULATION	AREA (sq km)
within Noise Limited Contour	3335657	15463.5
not affected by terrain losses	3335657	15463.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

PROPOSED SUBSTITUTION

num atv: 3342
 num ntsc: 3342
 cell: 4.0186
 Analysis of: 49N TX CONROE

	POPULATION	AREA (sq km)
within Noise Limited Contour	3335657	15463.5
not affected by terrain losses	3335657	15463.5
lost to NTSC IX	1069348	2033.4
lost to additional IX by ATV	59	12.1
lost to all IX	1069407	2045.5

Analysis of: 16A TX CONROE

HAAT 359.0 m, ATV ERP 70.2 kW, direction 190.0 degrees T, F/B = 18.8 dB

	POPULATION	AREA (sq km)
within Noise Limited Contour	3335657	15463.5
not affected by terrain losses	3335657	15463.5
lost to NTSC IX	2767	4.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	2767	4.0
percent match ATV/NTSC	100.0	100.0

Prepared by
 Lohnes and Culver Washington, D.C.
 August, 1997

**FIGURE 1B
COMPARISON OF DTV PAIRINGS
KTFH-TV WITH FCC DTV CH. 5
KTFH-TV WITH SUBSTITUTE DTV CH. 25**

SIXTH REPORT AND ORDER

num atv: 3342
num ntsc: 3342
cell: 4.0186
Analysis of: 49N TX CONROE

	POPULATION	AREA (sq km)
within Noise Limited Contour	3335657	15463.5
not affected by terrain losses	3335657	15463.5
lost to NTSC IX	1069348	2033.4
lost to additional IX by ATV	59	12.1
lost to all IX	1069407	2045.5

Analysis of: 5A TX CONROE

HAAT 359.0 m, ATV ERP 1.0 kW, direction 190.0 degrees T, F/B = 13.9 dB

	POPULATION	AREA (sq km)
within Noise Limited Contour	3335657	15463.5
not affected by terrain losses	3335657	15463.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

PROPOSED SUBSTITUTION

num atv: 3342
num ntsc: 3342
cell: 4.0186
Analysis of: 49N TX CONROE

	POPULATION	AREA (sq km)
within Noise Limited Contour	3335657	15463.5
not affected by terrain losses	3335657	15463.5
lost to NTSC IX	1069348	2033.4
lost to additional IX by ATV	59	12.1
lost to all IX	1069407	2045.5

Analysis of: 25A TX CONROE

HAAT 359.0 m, ATV ERP 86.7 kW, direction 190.0 degrees T, F/B = 18.8 dB

	POPULATION	AREA (sq km)
within Noise Limited Contour	3335657	15463.5
not affected by terrain losses	3335657	15463.5
lost to NTSC IX	3	4.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	3	4.0
lost to all IX	3	4.0
percent match ATV/NTSC	100.0	100.0

Lohnes and Culver Washington, D.C.
August, 1997

FIGURE 2A
ANALYSIS OF NTSC/ATV STATIONS
AFFECTED BY CHANNEL 16 DTV PAIRING FOR KTFH-TV

KTFH PAIRED WITH CH. 5 (SIXTH R&O)

```

num atv:      10684
num ntsc:    10690
cell:        4.0351
Analysis of:  5N LA ALEXANDRIA
              POPULATION  AREA (sq km)
within Noise Limited Contour  1004324  44483.0
not affected by terrain losses 998277  43704.3
lost to NTSC IX                16508   569.0
lost to additional IX by ATV    0        0.0
lost to all IX                 16508   569.0
Analysis of:  35A LA ALEXANDRIA
HAAT 485.0 m, ATV ERP 1000.0 kW, Cap Adj 2.2 dB 90.0 deg T
              POPULATION  AREA (sq km)
within Noise Limited Contour  1004324  44483.0
not affected by terrain losses 1000586  44103.7
lost to NTSC IX                0        0.0
lost to additional IX by ATV    655     169.5
lost to ATV IX only            655     169.5
lost to all IX                 655     169.5
percent match ATV/NTSC        100.0    99.9
  
```

KTFH PAIRED WITH CH. 16 (PROP.)

```

num atv:      10684
num ntsc:    10690
cell:        4.0351
Analysis of:  5N LA ALEXANDRIA
              POPULATION  AREA (sq km)
within Noise Limited Contour  1004324  44483.0
not affected by terrain losses 998277  43704.3
lost to NTSC IX                16508   569.0
lost to additional IX by ATV    0        0.0
lost to all IX                 16508   569.0
Analysis of:  35A LA ALEXANDRIA
HAAT 485.0 m, ATV ERP 1000.0 kW, Cap Adj 2.2 dB 90.0 deg T
              POPULATION  AREA (sq km)
within Noise Limited Contour  1004324  44483.0
not affected by terrain losses 1000586  44103.7
lost to NTSC IX                0        0.0
lost to additional IX by ATV    655     169.5
lost to ATV IX only            655     169.5
lost to all IX                 655     169.5
percent match ATV/NTSC        100.0    99.9
  
```

```

=====
num atv:      7063
num ntsc:    7063
cell:        4.0190
Analysis of:  6N TX BEAUMONT
              POPULATION  AREA (sq km)
within Noise Limited Contour  704455  33285.1
not affected by terrain losses 703695  33100.3
lost to NTSC IX                63684  4714.3
lost to additional IX by ATV    0        0.0
lost to all IX                 63684  4714.3
Analysis of:  21A TX BEAUMONT
HAAT 293.0 m, ATV ERP 1000.0 kW, Cap Adj 1.6 dB
              POPULATION  AREA (sq km)
within Noise Limited Contour  704455  33285.1
not affected by terrain losses 704249  33184.7
lost to NTSC IX                121     64.3
lost to additional IX by ATV    0        0.0
lost to ATV IX only            7        8.0
lost to all IX                 121     64.3
percent match ATV/NTSC        100.0    100.0
  
```

```

=====
num atv:      7063
num ntsc:    7063
cell:        4.0190
Analysis of:  6N TX BEAUMONT
              POPULATION  AREA (sq km)
within Noise Limited Contour  704455  33285.1
not affected by terrain losses 703695  33100.3
lost to NTSC IX                63684  4714.3
lost to additional IX by ATV    0        0.0
lost to all IX                 63684  4714.3
Analysis of:  21A TX BEAUMONT
HAAT 293.0 m, ATV ERP 1000.0 kW, Cap Adj 1.6 dB
              POPULATION  AREA (sq km)
within Noise Limited Contour  704455  33285.1
not affected by terrain losses 704249  33184.7
lost to NTSC IX                121     64.3
lost to additional IX by ATV    0        0.0
lost to ATV IX only            7        8.0
lost to all IX                 121     64.3
percent match ATV/NTSC        100.0    100.0
  
```

FIGURE 2A (CONTINUED)

<p>num atv: 9856 num ntsc: 9856 cell: 4.0189 Analysis of: 5N TX FORT WORTH</p> <table border="0" style="width: 100%;"> <thead> <tr> <th></th> <th style="text-align: right;">POPULATION</th> <th style="text-align: right;">AREA (sq km)</th> </tr> </thead> <tbody> <tr> <td>within Noise Limited Contour</td> <td style="text-align: right;">4418651</td> <td style="text-align: right;">46297.3</td> </tr> <tr> <td>not affected by terrain losses</td> <td style="text-align: right;">4400524</td> <td style="text-align: right;">45059.5</td> </tr> <tr> <td>lost to NTSC IX</td> <td style="text-align: right;">173366</td> <td style="text-align: right;">5449.6</td> </tr> <tr> <td>lost to additional IX by ATV</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0.0</td> </tr> <tr> <td>lost to all IX</td> <td style="text-align: right;">173366</td> <td style="text-align: right;">5449.6</td> </tr> </tbody> </table> <p>Analysis of: 41A TX FORT WORTH HAAT 514.0 m, ATV ERP 1000.0 kW, Cap Adj 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FIGURE 2A (CONTINUED)

num atv: 10750
 num ntsc: 10750
 cell: 3.9884
 Analysis of: 11N TX HOUSTON

	POPULATION	AREA (sq km)
within Noise Limited Contour	3901485	44614.2
not affected by terrain losses	3898739	44083.7
lost to NTSC IX	19517	1208.5
lost to additional IX by ATV	0	0.0
lost to all IX	19517	1208.5

Analysis of: 31A TX HOUSTON
 HAAT 570.0 m, ATV ERP 751.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3901485	44614.2
not affected by terrain losses	3901150	44550.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28	12.0
lost to ATV IX only	28	12.0
lost to all IX	28	12.0
percent match ATV/NTSC	100.0	100.0

num atv: 10750
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lost to ATV IX only	28	12.0
lost to all IX	28	12.0
percent match ATV/NTSC	100.0	100.0

num atv: 3767
 num ntsc: 3767
 cell: 4.0046
 Analysis of: 16N TX CORPUS CHRISTI

	POPULATION	AREA (sq km)
within Noise Limited Contour	446867	15085.2
not affected by terrain losses	446867	15085.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Analysis of: 22A TX CORPUS CHRISTI
 HAAT 296.0 m, ATV ERP 50.0 kW, direction 342.0 degrees T

	POPULATION	AREA (sq km)
within Noise Limited Contour	446867	15085.2
not affected by terrain losses	446867	15085.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

num atv: 3767
 num ntsc: 3767
 cell: 4.0046
 Analysis of: 16N TX CORPUS CHRISTI

	POPULATION	AREA (sq km)
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not affected by terrain losses	446867	15085.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Analysis of: 22A TX CORPUS CHRISTI
 HAAT 296.0 m, ATV ERP 50.0 kW, direction 342.0 degrees T

	POPULATION	AREA (sq km)
within Noise Limited Contour	446867	15085.2
not affected by terrain losses	446867	15085.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

num atv: 6343
 num ntsc: 6343
 cell: 4.0389
 Analysis of: 14N TX HOUSTON

	POPULATION	AREA (sq km)
within Noise Limited Contour	3783542	25808.8
not affected by terrain losses	3783542	25804.7
lost to NTSC IX	2114	185.8
lost to additional IX by ATV	533	28.3
lost to all IX	2647	214.1

Analysis of: 24A TX HOUSTON
 HAAT 438.0 m, ATV ERP 265.2 kW, direction 30.0 degrees T

	POPULATION	AREA (sq km)
within Noise Limited Contour	3783542	25808.8
not affected by terrain losses	3783542	25804.7
lost to NTSC IX	1336	20.2
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	1336	20.2
percent match ATV/NTSC	100.0	100.0

num atv: 6343
 num ntsc: 6343
 cell: 4.0389
 Analysis of: 14N TX HOUSTON

	POPULATION	AREA (sq km)
within Noise Limited Contour	3783542	25808.8
not affected by terrain losses	3783542	25804.7
lost to NTSC IX	2114	185.8
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 HAAT 438.0 m, ATV ERP 265.2 kW, direction 30.0 degrees T

	POPULATION	AREA (sq km)
within Noise Limited Contour	3783542	25808.8
not affected by terrain losses	3783542	25804.7
lost to NTSC IX	1336	20.2
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	1336	20.2
percent match ATV/NTSC	100.0	100.0

FIGURE 2A (CONTINUED)

num atv: 6904
 num ntsc: 6904
 cell: 4.0358
 Analysis of: 20N TX HOUSTON

num atv: 6904
 num ntsc: 6904
 cell: 4.0358
 Analysis of: 20N TX HOUSTON

	POPULATION	AREA (sq km)
within Noise Limited Contour	3787966	27903.7
not affected by terrain losses	3787631	27867.4
lost to NTSC IX	73	4.0
lost to additional IX by ATV	3603	201.8
lost to all IX	3676	205.8

	POPULATION	AREA (sq km)
within Noise Limited Contour	3787966	27903.7
not affected by terrain losses	3787631	27867.4
lost to NTSC IX	73	4.0
lost to additional IX by ATV	3603	201.8
lost to all IX	3676	205.8

Analysis of: 19A TX HOUSTON
 HAAT 552.0 m, ATV ERP 228.8 kW, direction 30.0 degrees T

	POPULATION	AREA (sq km)
within Noise Limited Contour	3787966	27903.7
not affected by terrain losses	3787774	27891.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

Analysis of: 19A TX HOUSTON
 HAAT 552.0 m, ATV ERP 228.8 kW, direction 30.0 degrees T

	POPULATION	AREA (sq km)
within Noise Limited Contour	3787966	27903.7
not affected by terrain losses	3787774	27891.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

num atv: 4958
 num ntsc: 4958
 cell: 4.0117
 Analysis of: 15N LA LAFAYETTE

num atv: 4958
 num ntsc: 4958
 cell: 4.0117
 Analysis of: 15N LA LAFAYETTE

	POPULATION	AREA (sq km)
within Noise Limited Contour	585965	19890.0
not affected by terrain losses	585965	19890.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

	POPULATION	AREA (sq km)
within Noise Limited Contour	585965	19890.0
not affected by terrain losses	585965	19890.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Analysis of: 16A LA LAFAYETTE
 HAAT 360.0 m, ATV ERP 89.1 kW, direction 140.0 degrees T

	POPULATION	AREA (sq km)
within Noise Limited Contour	585965	19890.0
not affected by terrain losses	585965	19890.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

Analysis of: 16A LA LAFAYETTE
 HAAT 360.0 m, ATV ERP 89.1 kW, direction 140.0 degrees T

	POPULATION	AREA (sq km)
within Noise Limited Contour	585965	19890.0
not affected by terrain losses	585965	19890.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

num atv: 7709
 num ntsc: 7709
 cell: 3.9954
 Analysis of: 22N TX GALVESTON

num atv: 7709
 num ntsc: 7709
 cell: 3.9954
 Analysis of: 22N TX GALVESTON

	POPULATION	AREA (sq km)
within Noise Limited Contour	3696126	30800.6
not affected by terrain losses	3696126	30800.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

	POPULATION	AREA (sq km)
within Noise Limited Contour	3696126	30800.6
not affected by terrain losses	3696126	30800.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Analysis of: 23A TX GALVESTON
 HAAT 566.0 m, ATV ERP 236.0 kW, direction 350.0 degrees T

	POPULATION	AREA (sq km)
within Noise Limited Contour	3696126	30800.6
not affected by terrain losses	3696126	30800.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

Analysis of: 23A TX GALVESTON
 HAAT 566.0 m, ATV ERP 236.0 kW, direction 350.0 degrees T

	POPULATION	AREA (sq km)
within Noise Limited Contour	3696126	30800.6
not affected by terrain losses	3696126	30800.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

FIGURE 2B
ANALYSIS OF NTSC/ATV STATIONS
AFFECTED BY CHANNEL 25 DTV PAIRING FOR KTFH-TV

KTFH PAIRED WITH CH. 5 (SIXTH R&O)

KTFH PAIRED WITH CH. 25 (PROP.)

ANALYSES BEFORE MOVING KTFH TO CHANNEL 25

ANALYSES AFTER MOVING KTFH TO CHANNEL 25

Analysis of: 5N LA ALEXANDRIA			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1004324	44483.0	
not affected by terrain losses	998277	43704.3	
lost to NTSC IX	16508	569.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	16508	569.0	
Analysis of: 35A LA ALEXANDRIA			
HAAT 485.0 m, ATV ERP 1000.0 kW, Cap Adj	2.2 dB	90.0 deg T	
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1004324	44483.0	
not affected by terrain losses	1000586	44103.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	655	169.5	
lost to ATV IX only	655	169.5	
lost to all IX	655	169.5	
percent match ATV/NTSC	100.0	99.9	

Analysis of: 5N LA ALEXANDRIA			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1004324	44483.0	
not affected by terrain losses	998277	43704.3	
lost to NTSC IX	16508	569.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	16508	569.0	
Analysis of: 35A LA ALEXANDRIA			
HAAT 485.0 m, ATV ERP 1000.0 kW, Cap Adj	2.2 dB	90.0 deg T	
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1004324	44483.0	
not affected by terrain losses	1000586	44103.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	655	169.5	
lost to ATV IX only	655	169.5	
lost to all IX	655	169.5	
percent match ATV/NTSC	100.0	99.9	

Analysis of: 6N TX BEAUMONT			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	704455	33285.1	
not affected by terrain losses	703695	33100.3	
lost to NTSC IX	63684	4714.3	
lost to additional IX by ATV	0	0.0	
lost to all IX	63684	4714.3	
Analysis of: 21A TX BEAUMONT			
HAAT 293.0 m, ATV ERP 1000.0 kW, Cap Adj	1.6 dB		
	POPULATION	AREA (sq km)	
within Noise Limited Contour	704455	33285.1	
not affected by terrain losses	704249	33184.7	
lost to NTSC IX	121	64.3	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	7	8.0	
lost to all IX	121	64.3	
percent match ATV/NTSC	100.0	100.0	

Analysis of: 6N TX BEAUMONT			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	704455	33285.1	
not affected by terrain losses	703695	33100.3	
lost to NTSC IX	63684	4714.3	
lost to additional IX by ATV	0	0.0	
lost to all IX	63684	4714.3	
Analysis of: 21A TX BEAUMONT			
HAAT 293.0 m, ATV ERP 1000.0 kW, Cap Adj	1.6 dB		
	POPULATION	AREA (sq km)	
within Noise Limited Contour	704455	33285.1	
not affected by terrain losses	704249	33184.7	
lost to NTSC IX	121	64.3	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	7	8.0	
lost to all IX	121	64.3	
percent match ATV/NTSC	100.0	100.0	

Analysis of: 5N TX FORT WORTH			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	4418651	46297.3	
not affected by terrain losses	4400524	45059.5	
lost to NTSC IX	173366	5449.6	
lost to additional IX by ATV	0	0.0	
lost to all IX	173366	5449.6	
Analysis of: 41A TX FORT WORTH			
HAAT 514.0 m, ATV ERP 1000.0 kW, Cap Adj	3.0 dB	315.0 deg T	
	POPULATION	AREA (sq km)	
within Noise Limited Contour	4418651	46297.3	
not affected by terrain losses	4411022	45537.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	0	0.0	
lost to all IX	0	0.0	
percent match ATV/NTSC	100.0	100.0	

Analysis of: 5N TX FORT WORTH			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	4418651	46297.3	
not affected by terrain losses	4400524	45059.5	
lost to NTSC IX	173366	5449.6	
lost to additional IX by ATV	0	0.0	
lost to all IX	173366	5449.6	
Analysis of: 41A TX FORT WORTH			
HAAT 514.0 m, ATV ERP 1000.0 kW, Cap Adj	3.0 dB	315.0 deg T	
	POPULATION	AREA (sq km)	
within Noise Limited Contour	4418651	46297.3	
not affected by terrain losses	4411022	45537.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	0	0.0	
lost to all IX	0	0.0	
percent match ATV/NTSC	100.0	100.0	

FIGURE 2B (CONTINUED)

Analysis of: 5N TX SAN ANTONIO

	POPULATION	AREA (sq km)
within Noise Limited Contour	1663667	40635.9
not affected by terrain losses	1638940	39003.8
lost to NTSC IX	51375	2892.3
lost to additional IX by ATV	36	4.0
lost to all IX	51411	2896.3

Analysis of: 55A TX SAN ANTONIO

	POPULATION	AREA (sq km)
within Noise Limited Contour	1663667	40635.9
not affected by terrain losses	1646977	39239.8
lost to NTSC IX	39595	452.0
lost to additional IX by ATV	13	8.0
lost to ATV IX only	37917	412.0
lost to all IX	39608	460.0
percent match ATV/NTSC	99.3	99.4

Analysis of: 5N TX SAN ANTONIO

	POPULATION	AREA (sq km)
within Noise Limited Contour	1663667	40635.9
not affected by terrain losses	1638940	39003.8
lost to NTSC IX	51375	2892.3
lost to additional IX by ATV	0	0.0
lost to all IX	51375	2892.3

Analysis of: 55A TX SAN ANTONIO

	POPULATION	AREA (sq km)
within Noise Limited Contour	1663667	40635.9
not affected by terrain losses	1646977	39239.8
lost to NTSC IX	39595	452.0
lost to additional IX by ATV	13	8.0
lost to ATV IX only	37917	412.0
lost to all IX	39608	460.0
percent match ATV/NTSC	99.3	99.4

Analysis of: 25N LA ALEXANDRIA

	POPULATION	AREA (sq km)
within Noise Limited Contour	317703	19607.1
not affected by terrain losses	317534	19575.0
lost to NTSC IX	208	48.2
lost to additional IX by ATV	0	0.0
lost to all IX	208	48.2

Analysis of: 26A LA ALEXANDRIA

	POPULATION	AREA (sq km)
within Noise Limited Contour	317703	19607.1
not affected by terrain losses	317695	19603.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	4.0
lost to ATV IX only	0	4.0
lost to all IX	0	4.0
percent match ATV/NTSC	100.0	100.0

Analysis of: 25N LA ALEXANDRIA

	POPULATION	AREA (sq km)
within Noise Limited Contour	317703	19607.1
not affected by terrain losses	317534	19575.0
lost to NTSC IX	208	48.2
lost to additional IX by ATV	0	0.0
lost to all IX	208	48.2

Analysis of: 26A LA ALEXANDRIA

	POPULATION	AREA (sq km)
within Noise Limited Contour	317703	19607.1
not affected by terrain losses	317695	19603.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	4.0
lost to ATV IX only	0	4.0
lost to all IX	0	4.0
percent match ATV/NTSC	100.0	100.0

Analysis of: 22N TX GALVESTON

	POPULATION	AREA (sq km)
within Noise Limited Contour	3696126	30800.6
not affected by terrain losses	3696126	30800.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Analysis of: 23A TX GALVESTON

	POPULATION	AREA (sq km)
within Noise Limited Contour	3696126	30800.6
not affected by terrain losses	3696126	30800.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

Analysis of: 22N TX GALVESTON

	POPULATION	AREA (sq km)
within Noise Limited Contour	3696126	30800.6
not affected by terrain losses	3696126	30800.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Analysis of: 23A TX GALVESTON

	POPULATION	AREA (sq km)
within Noise Limited Contour	3696126	30800.6
not affected by terrain losses	3696126	30800.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0
percent match ATV/NTSC	100.0	100.0

FIGURE 2B (CONTINUED)

<p>Analysis of: 26N TX HOUSTON</p> <table border="0" style="width: 100%;"> <thead> <tr> <th></th> <th style="text-align: right;">POPULATION</th> <th style="text-align: right;">AREA (sq km)</th> </tr> </thead> <tbody> <tr> <td>within Noise Limited Contour</td> <td style="text-align: right;">3825068</td> <td style="text-align: right;">31379.9</td> </tr> <tr> <td>not affected by terrain losses</td> <td style="text-align: right;">3824678</td> <td style="text-align: right;">31339.5</td> </tr> <tr> <td>lost to NTSC IX</td> <td style="text-align: right;">8750</td> <td style="text-align: right;">238.2</td> </tr> <tr> <td>lost to additional IX by ATV</td> <td style="text-align: right;">2345</td> <td style="text-align: right;">141.3</td> </tr> <tr> <td>lost to all IX</td> <td style="text-align: right;">11095</td> <td style="text-align: right;">379.6</td> </tr> </tbody> </table> <p>Analysis of: 27A TX HOUSTON</p> <p>HAAT 594.0 m, ATV ERP 228.8 kW, direction 40.0 degrees T</p> <table border="0" 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FIGURE 2B (CONTINUED)

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